

#5

Plasmid: NFIF14B
Amino Acids: 453

MALVRALVCCLLTAWHCRSG	20
LGLPVAPAGGRNPPPAIGQF	40
WHVTDLHLDPTYHITDDHTK	60
VCASSKGANASNPGPFGDVL	80
CDSPLYQLILSAFDFIKNSGQ	100
EASFMIWTGDSPPHVPVPEL	120
STDTVINVITNMTTTIQSLF	140
PNLQVFPALGNHDYWPQDQL	160
SVVTSKVYNAVANLWKPWLD	180
EEAISTLRKGGFYSQKVTTN	200
PNLRIISLNTNLYYGNIMT	220
LNKTDPANQFEWLESTLNNS	240
QQNKEKVYIIAHVPVGYLPS	260
SONITAMREYYNEKLIDIFQ	280
KYSDVIAGQFYGHTRDSIM	300
VLSDKKGSPVNSLFVAPAVT	320
PVKSVLEKQTNNPGIRLFQY	340
DPRDYKLLDMLQYYLNLTEA	360
NLKGESIWKLEYILTQTYDI	380
EDLPESLYGLAKQFTILDS	400
KQFIKYNYFFVSYDSSVTC	420
DKTCKAFQICAIMNLDNISY	440
ADCLKQLYIKHNY	460

FIGURE 1

Plasmid:	NFIF7A
Amino Acids:	364
MALVRALVCCLLTAWHCRSG	20
LGLPVAPAGGRNPPPAIGQF	40
WHVTDLHLDPTYHITDDHTK	60
VCASSKGANASNPGPFGDVL	80
CDSFYQLILSAFDIFIKNSGQ	100
EASFMIWTGDSPPHVPVPEL	120
STDTVINVITNMTTTIQSLF	140
PNLQVFPALGNHDYWPQVYI	160
IAHVPVGYLPSSQNITAMRE	180
YYNEKLIDIFQKYSQVIAQ	200
FYGHTRDSIMVLSKKGSP	220
VNSLFVAPAVTPVKSQVLEKQ	240
TNPNPGIRLFQYDPRDYKLLD	260
MLQYYLNLTEANLKGESQWK	280
LEYILTQTYDIEDLQESLY	300
GLAKQFTILDSKQFIKYNY	320
FFVSYDSSVTCDKTCKAFQI	340
CAIMNLDNISYADCLKQLYI	360
KHNY	380

FIGURE 2

1	ATGGCGCTGGTGC	CGCGCACTCGTCTGCTGCC	CTGCTGACTGCCCTGGCACTG	NFIF14B
1	ATGGCGCTGGTGC	CGCGCACTCGTCTGCTGCC	CTGCTGACTGCCCTGGCACTG	NFIF7A
51	CCGCTCCGGCCTCGGGCTGCCC	GTGGCGCCCGCAGGCGGCAGGAATCCTC		NFIF14B
51	CCGCTCCGGCCTCGGGCTGCCC	GTGGCGCCCGCAGGCGGCAGGAATCCTC		NFIF7A
101	CTCCGGCGATAGGACAGTTTT	TGGCATGTGACTGACTTACACTTAGACCCCT		NFIF14B
101	CTCCGGCGATAGGACAGTTTT	TGGCATGTGACTGACTTACACTTAGACCCCT		NFIF7A
151	ACTTACCACATCACAGATGACC	CACACAAAAGTGTGTGCTTCATCTAAAGG		NFIF14B
151	ACTTACCACATCACAGATGACC	CACACAAAAGTGTGTGCTTCATCTAAAGG		NFIF7A
201	TGCAAATGCCCTCCAACCCTGGCC	CCTTTTGGAGATGTTCTGTGTGATTCTC		NFIF14B
201	TGCAAATGCCCTCCAACCCTGGCC	CCTTTTGGAGATGTTCTGTGTGATTCTC		NFIF7A
251	CATATCAACTTATTTTTGTCAGC	ATTTGATTTTATTAAAAATTCTGGACAA		NFIF14B
251	CATATCAACTTATTTTTGTCAGC	ATTTGATTTTATTAAAAATTCTGGACAA		NFIF7A
301	GAAGCATCTTTTCATGATATGGAC	CAGGGGATAGCCACCTCATGTTCTGT		NFIF14B
301	GAAGCATCTTTTCATGATATGGAC	CAGGGGATAGCCACCTCATGTTCTGT		NFIF7A
351	ACCTGAACTCTCAACAGACACTGTT	ATAAAATGTGATCACTAATATGACAA		NFIF14B
351	ACCTGAACTCTCAACAGACACTGTT	ATAAAATGTGATCACTAATATGACAA		NFIF7A
401	CCACCATCCAGAGTCTCTTTCCAA	ATCTCCAGGTTTTTCCCTGCGCTGGGT		NFIF14B
401	CCACCATCCAGAGTCTCTTTCCAA	ATCTCCAGGTTTTTCCCTGCGCTGGGT		NFIF7A
451	AATCATGACTATTGGCCACAGGAT	CAACTGTCTGTAGTCAACAGTAAAGT		NFIF14B
451	AATCATGACTATTGGCCACAGG	-----		NFIF7A
501	GTACAATGCAGTAGCAAACCTCTG	GAAACCATGGCTAGATGAAGAAGCTA		NFIF14B
473	-----	-----		NFIF7A
551	TTAGTACTTTAAGGAAAGGTGGT	TTTTATTTCACAGAAAGTTACAACCTAAT		NFIF14B
473	-----	-----		NFIF7A
601	CCAAACCTTAGGATCATCAGTCTA	AACACAAACTTGTTACTACGGCCCAA		NFIF14B
473	-----	-----		NFIF7A
651	TATAATGACACTGAACAAGACTGAC	CCAGCCAAACCAAGTTTGAAATGGCTAG		NFIF14B
473	-----	-----		NFIF7A
701	AAAGTACATTGAACAACCTCTCAGC	AGAATAAGGAGAAGGTGTATATCATA		NFIF14B
473	-----	-----TGTATATCATA		NFIF7A
751	GCACATGTTCCAGTGGGGTATCTGCC	ATCTTCACAGAACATCACAGCAAT		NFIF14B
484	GCACATGTTCCAGTGGGGTATCTGCC	ATCTTCACAGAACATCACAGCAAT		NFIF7A
801	GAGAGAATACTATAATGAGAAATTG	ATAGATATTTTTTCAAAAATACAGTG		NFIF14B
534	GAGAGAATACTATAATGAGAAATTG	ATAGATATTTTTTCAAAAAGTACAGTG		NFIF7A
851	ATGTCATTGCAAGGACAATTTTTAT	GACACACTCACAGAGACAGCATTATG		NFIF14B
584	ATGTCATTGCAAGGACAATTTTTAT	GACACACTCACAGAGACAGCATTATG		NFIF7A
901	GTTCTTTTCAGATAAAAAAGGAAGT	CAGTAAATTCTTTGTTTGTGGCTCC		NFIF14B
634	GTTCTTTTCAGATAAAAAAGGAAGT	CAGTAAATTCTTTGTTTGTGGCTCC		NFIF7A

FIGURE 3

951 TGCTGTTACACCAGTGAAGAGTGTTTTTAGAAAAACAGACCAACAATCCTG NFIF14B
 684 TGCTGTTACACCAGTGAAGAGTGTTTTTAGAAAAACAGACCAACAATCCTG NFIF7A
 1001 GTATCAGACTGTTTCAGTATGATCCTCGTGATTATAAATTATTGGATATG NFIF14B
 734 GTATCAGACTGTTTCAGTATGATCCTCGTGATTATAAATTATTGGATATG NFIF7A
 1051 TTGCAGTATTACTTGAATCTGACAGAGGCGAATCTAAAGGGAGAGTCCAT NFIF14B
 784 TTGCAGTATTACTTGAATCTGACAGAGGCGAATCTAAAGGGAGAGTCCAT NFIF7A
 1101 CTGGAAGCTGGAGTATATCCTGACCCAGACCTACGACATTGAAGATTTGC NFIF14B
 834 CTGGAAGCTGGAGTATATCCTGACCCAGACCTACGACATTGAAGATTTGC NFIF7A
 1151 AGCCGGAAAGTTTTATATGGATTAGCTAAACAATTTACAATCCTAGACAGT NFIF14B
 884 AGCCGGAAAGTTTTATATGGATTAGCTAAACAATTTACAATCCTAGACAGT NFIF7A
 1201 AAGCAGTTTTATAAAAATACTACAATTACTTCTTTGTGAGTTATGACAGCAG NFIF14B
 934 AAGCAGTTTTATAAAAATACTACAATTACTTCTTTGTGAGTTATGACAGCAG NFIF7A
 1251 TGTAACATGTGATAAGACATGTAAGGCCTTTCAGATTTGTGCAATTATGA NFIF14B
 984 TGTAACATGTGATAAGACATGTAAGGCCTTTCAGATTTGTGCAATTATGA NFIF7A
 1301 ATCTTGATAAATATTTTCCTATGCAGATTGCCTCAAACAGCTTTATATAAAG NFIF14B
 1034 ATCTTGATAAATATTTTCCTATGCAGATTGCCTCAAACAGCTTTATATAAAG NFIF7A
 1351 CACAATTACTAG NFIF14B
 1084 CACAATTACTAG NFIF7A

FIGURE 3 (CONT'D)

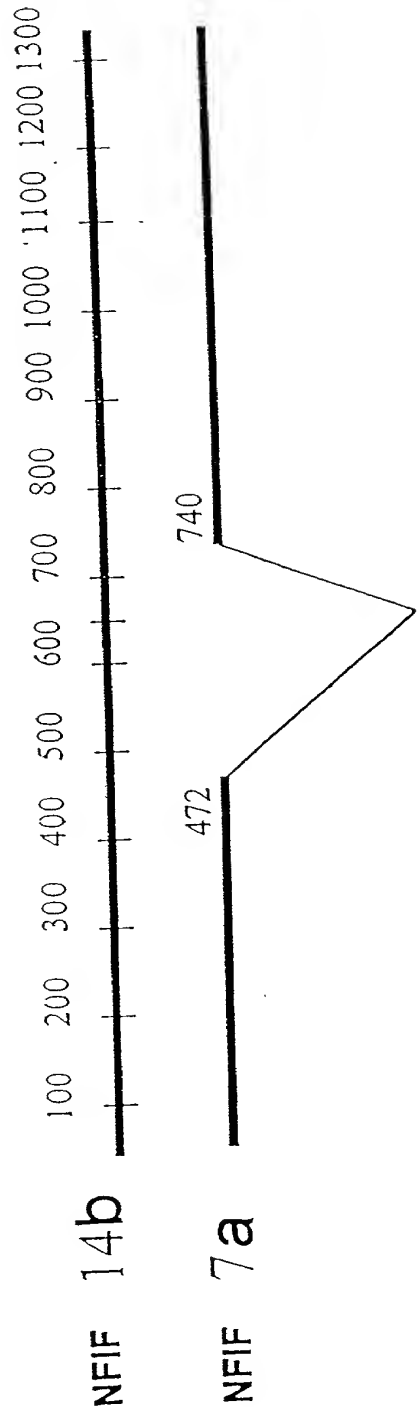


FIGURE 4

NF κ B Reporter with NFIF

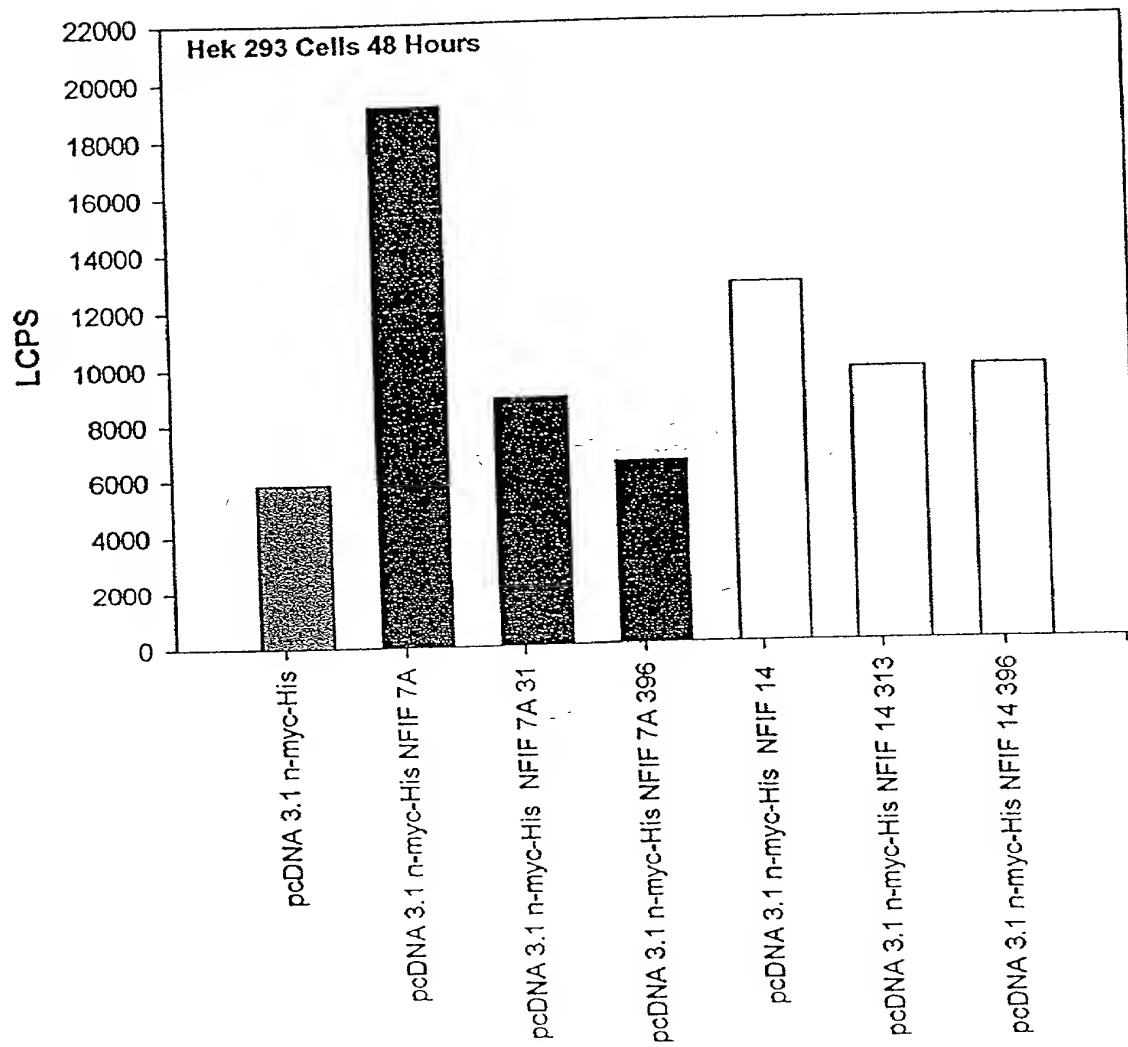


FIGURE 5

NFκB Reporter with NFIF

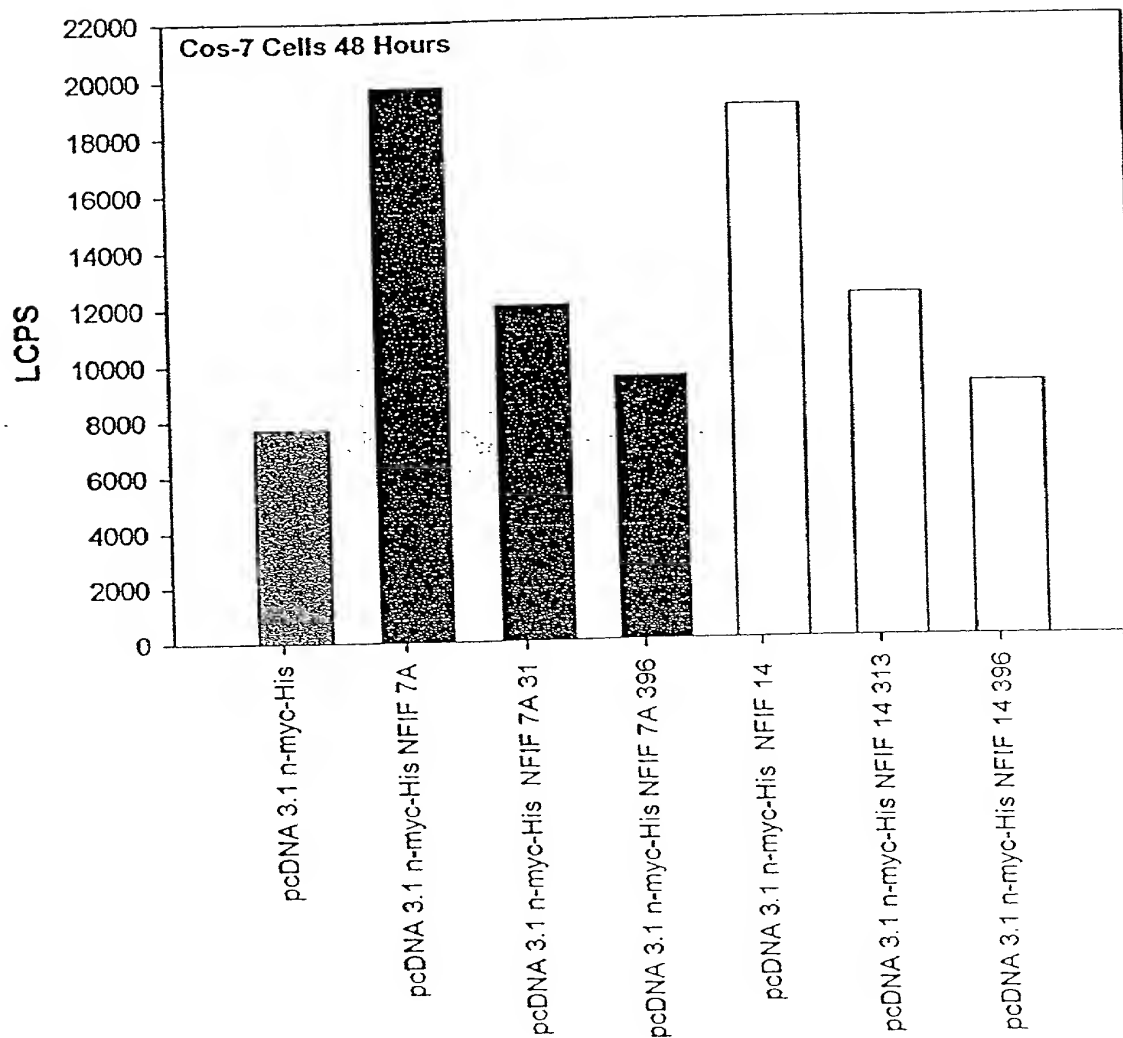


FIGURE 6

SKGANASNPFGDV

FIGURE 7

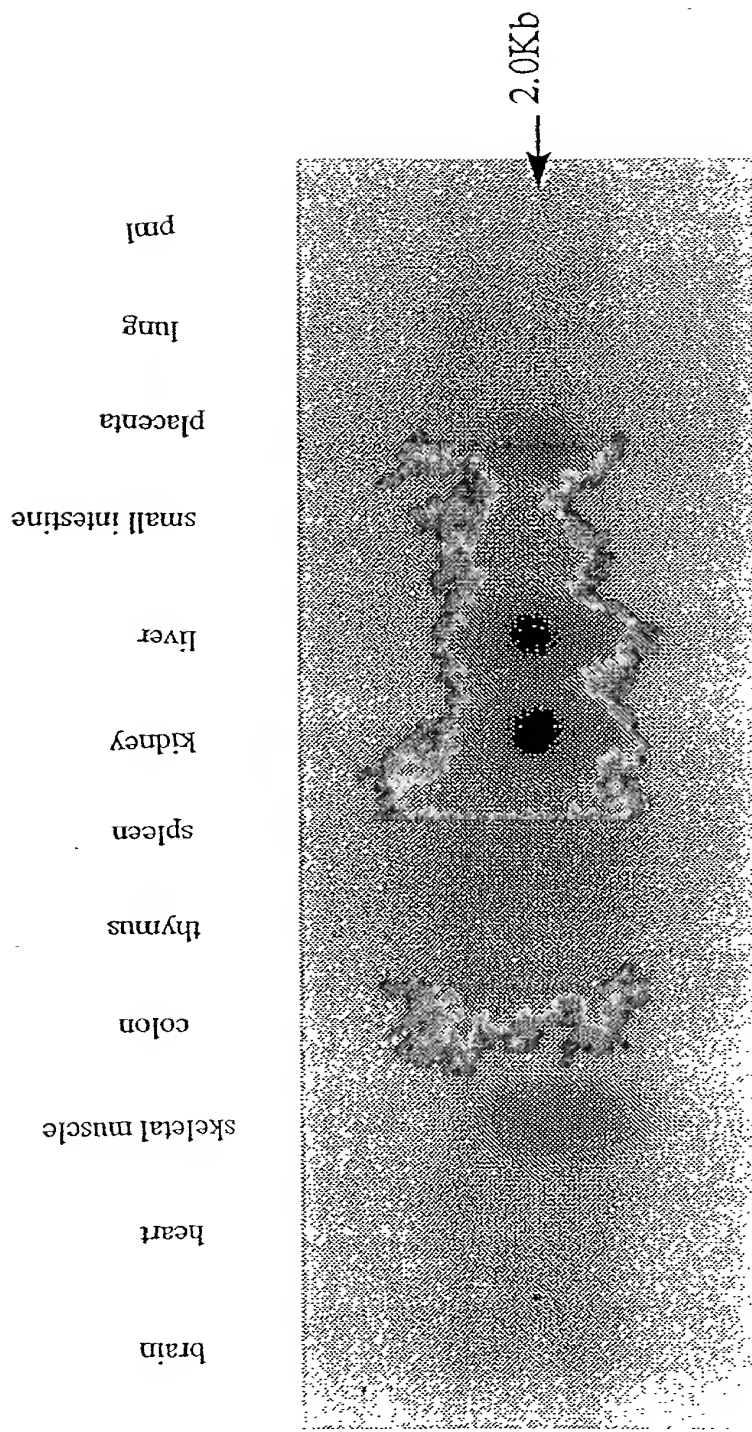


FIGURE 8